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[Continued on next page]

(54) Title: PEDF-R RECEPTOR AND USES

R1 212 959 1362 1726 2122 nt

ORF coding capacity = 504 aa

TM domain

Upper cutoff lower cutoff

Intracellular

Abstract: A pigment epithelium derived factor ("PEDF") receptor designated PEDF-R and PEDF-R encoding nucleic acid and amino acid sequences. Wild type PEDF-R, PEDF-R variants, soluble PEDF-R variants, chimeric PEDF-R, and antibodies which bind to the PEDF-R (including agonist and neutralizing antibodies), as well as various uses for these molecules are described. Assay systems for detecting ligands to PEDF-R, systems for studying the physiological role of PEDF-R and its ligands, diagnostic techniques for identifying PEDF-related conditions, therapeutic techniques for the treatment of PEDF-related and PEDF-R related conditions, and methods for identifying molecules homologous to PEDF-R.



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ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N15/63 C07K14/705 C07K16/28 G01N33/50 A61K48/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ccc} \text{Minimum documentation searched} & \text{(classification system followed by classification symbols)} \\ IPC & 7 & C12N & C07K & G01N & A61K \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

	ata base consulted during the international search (name of data		•
EPO-Int	ternal, PAJ, BIOSIS, WPI Data, Seq	uence Search, EMB <i>i</i>	ASE
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
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X	WO 01/07628 A (INCYTE GENOMICS, Y., TOM; HILLMAN, JENNIFER, L; OL) 1 February 2001 (2001-02-01 page 4 - page 6; claims 1-28 & DATABASE EMBL 'Online! retrieved from EMBL Database accession no. AX077793 Seq.24 has 99.842% identity to No.1, 77.1% identity to Seq ID.,83,4% identity to Seq. 15 Seq. 9 has 100% identity to Seq to Seq 13, 100% identity to Seq ID. No. 5	BANDMAN,) Seq. Id No.12	1-25, 27-42
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X Furthe	er documents are listed in the continuation of box C.	X Patent family member	s are listed in annex.
"A" documen consider earlier do filing dat which is citation of "O" documen other me "P" documen	t which may throw doubts on priority claim(s) or cited to establish the publication date of another or other special reason (as specified) tt referring to an oral disclosure, use, exhibition or	cited to understand the prinvention "X" document of particular relecannot be considered now involve an inventive step of the cannot be considered to lecannot be considered to indocument is combined with	conlict with the application but inciple or theory underlying the vance; the claimed invention rel or cannot be considered to when the document is taken alone vance; the claimed invention nvolve an inventive step when the th one or more other such docubeling obvious to a person skilled
Date of the ac	ctual completion of the international search	Date of mailing of the intern	national search report
14	March 2005	15/04/2005	•
Vame and ma	alling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
	NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Vollbach, S	

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	PACHAGE CONCIDENCE TO BE BELLIANT	PCT/US2004/025560		
Category *	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Category	orialist of document, with indication, where appropriate, or the relevant passages	helevant to claim inc.		
X .	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 03, 31 March 1999 (1999-03-31) & JP 10 324698 A (TAKEDA CHEM IND LTD), 8 December 1998 (1998-12-08) the whole document & DATABASE EMBL 'Online! retrieved from EMBL Database accession no. AAW86149 sequence of fig. has 96,8% identity to seq. 17	27,29		
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International application No. PCT/US2004/025560

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 55-63 because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.



Information on patent family members

International Application No PCT/US2004/025560

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